

BULK MAIL  
U.S. POSTAGE PAID  
PERMIT NO. 320  
MENLO PARK, CAL.

TO:

Return Requested  
PAARA P.O. Box 911  
Menlo Park, Ca.  
94025

Official Publication of

PALO ALTO AMATEUR RADIO ASSOCIATION  
(PAARA)

W6OTX

Palo Alto Amateur  
Radio Assn

Affiliated  
Clubs

K6YQT

Menlo Park C-3  
Radio Club

ORGANIZED FOR  
PUBLIC SERVICE, SCIENTIFIC, EDUCATIONAL AND  
SOCIAL BENEFITS TO AMATEUR RADIO OPERATORS  
(A non-profit organization; Incorporated 1956)

MEET PLANNED FOR

Date: Friday 7 July 1972, 7:30 PM.  
Place: San Carlos Airport, Flood Building.  
Program: POWDER PUFF DERBY AMATEUR RADIO MESSAGE  
CENTER. This is the day the ladies take  
to the air for their run for Toms River  
New Jersey. PAARA will be manning the  
communications facilities for handling  
messages between the various points of  
touchdown. COME IN - PARTICIPATE.

Vol. XVI  
No. 7  
July 72

W6OTX K6YQT

**ADMINISTRATIVE OFFICERS**

President: Fred Canham W6QWF  
 Vice Pres: Andy Korsak VE3FZK  
 Secretary: Les Vickery W6AKR  
 Treasurer: Vance Wardlow W6FLE

**APPOINTMENTS**

Chmn TVI Comm: Glen Baker W6UOK  
 " Publicity: Larry Rice W6IQT  
 " Membership: Hal Moore W6DEF  
 Eapt Custodian: Ed Fairbanks W6AIN

CCRC REP Fred Canham W6QWF; Telephone Com: Larry Rice W6IQT  
 Refreshment & Raffle Comm: Andy Korsak  
 Ed Fairbanks W6AIN  
 Lee Zalasnik WB6BJB

**BOARD OF DIRECTORS**

Chairmn: Fred Canham W6QWF  
 Sec"ty : Les Vickery W6AKR  
 Member : Hal Moore W6DEF  
 " : Ed Fairbanks W6AIN  
 " : Gerry Laxson W6OPA  
 " : Bob Allen W6WQD  
 " : Andy Korsak VE3FZK  
 " : Vance Wardlow W6FLE

**MENLO PARK C-D RADIO CLUB**

Pres: Fred Canham W6QWF; Vice Pres.: Glen Baker, W6UOK  
 Secty/Treas.: Vance Wardlow W6FLE  
 Property Custodian: Bob Allen W6WQD (Trustee K6YQT)  
 Asst " " : Glen Baker W6UOK

C-D RADIO OFFICER: Bob Allen W6WQD

Editor: Vance Wardlow, W6FLE; Ph 854 0803; PO Box 911 MP.  
 POLICY: Membership includes subscription to PAARAGRAPHS \$4.  
 Subscription rate \$1 per year. Non-subscribers will be dropped as new names are added to the mailing list. For your APPLICATION FOR MEMBERSHIP send \$4 dues to PAARA, P.O. Box 911, Menlo Park, Ca. 94025. For info phone 854 0803.

support your club

support your club

SUPPORT YOUR CLUB

BECOME A PARTICIPATOR

GET INVOLVED

PAY YOUR DUES

DO SOMETHING

**FUTURE PROGRAMS**

Wednesday 12 July, 7:30PM PAARA Trailer- Bd of Dir Meeting.

Friday 4 August: 7:30 PM Meet at Menlo Park Recreation Bldg for assembly and departure for FIELD TRIP to Stanford Radio Telescope.

# U.S. ELECTRONICS

4081 EL CAMINO WAY, PALO ALTO, CAL.

PHONE: 493-8166

## HOURS

DAILY 10 to 7 PM

SAT. 9 to 5 PM

SUNDAY 12 to 4 PM

WHOLESALE PARTS/SUPPLIES

NEW AND HI-QUALITY SURPLUS

U.S. E.	<u>VALUABLE COUPON</u>
<b>10% OFF</b>	
BEARER WILL RECEIVE TEN PERCENT DEDUCTED FROM HIS TOTAL BILL WITH THIS COUPON ON ANY ITEMS(S) IN THE STORE. <u>"ONE TIME PURCHASE ONLY"</u>	
This coupon must be used on or before Aug. 18 1972 10%	

DON'T FORGET WE ALSO OPERATE A FIRST CLASS TV SERVICE  
DEPARTMENT. LET US REPAIR YOUR TELEVISION SET.

IF YOU DO YOUR OWN REPAIR WORK

FREE "LOOK-SEE" SCHEMATIC TV DIAGRAMS FOR CONVENIENCE  
BUY THE PARTS/PICTURE TUBES HERE AT WHOLESALE PRICES! !

U. S. ELECTRONICS

4081 EL CAMINO WAY, PALO ALTO, CALIF.

PHONE: 493 8166

# POWDER PUFF DERBY

As you read this all the preparations are going ahead for providing communications for the Powder Puff Derby. PAARA is setting up the equipment and providing the operators to supply the ladies participating in the Derby with communications to and from their hotel and between their terminal points nightly.

Fred Canham W6QWF, has been at the Flood Building at the very busy the past month with the basic plans. He has a space in the Flood building at the San Carlos Airport to set up in. There is space for the antennas and he has the equipment all lined up to get the various links going.

He plans on direct contact to the terminals starting with Winnemucca, Nevada and on to Toms River New Jersey. This is to handle the reports of arrivals and departures. As a back-up he has set up links to several local hams who can handle the traffic in case the base station is not able to get through. He also has plans to utilize the WESCARS and other Nets for delayed traffic. There will be a 2 meter link for local traffic. This is being

organized by "Lucky" Rogers WA6JXO, who may utilize his radio equiped camper with his emergency power built-in, to establish the base station.

If you have not already done so, you should call Fred at home on 948 9238 if you wish to PARTICIPATE.

As noted on the front page our July meeting will be held at the Flood Building at the San Carlos Airport. We will be able to look over the set-up there and may get a better idea of the tremendous effort being put forth in getting this Derby under way and across the country.

As Andy Korsak, VE3FZK, mentions in his section, he made a trip across the country in June. He contacted many hams all the way across and alerted them to the need for communications for the Derby. He got a fine response so we are hopeful that the circuits will be established and the traffic handled without too much delay.

GET IN ON THE FUN - DON'T FAIL TO CALL FRED. SET YOURSELF UP FOR A WATCH ON THE TRAFFIC CIRCUITS.

BECOME A PARTICIPATOR

5  
FIELD DAY - 24 & 25 JUNE 1972

After much scurrying around and changing of plans the PAARA Field Day crew finally fell into a semiorganized effort! On the week-end before Field Day Fred Canham got a crew together and erected his beam and a mast for the two inverted V's. The following Wednesday Lee Zalaznik got his crew going on his two inverted V's and Thursday Paul Thekan got his mast and beam up for the Novice station. Also on that day Eric Reese got his beam up. The antenna farm was complete.

On Friday evening Glen Baker assembled his POWER PUFF crew and got the big generator delivered to the site. The cables were laid out to the several sites of stations about 500 feet apart. The preliminaries were complete.

Saturday morning bright and early the PARTICIPATORS showed up for the final arrangements. CAME THE ZERO HOUR !!! Here is the way the tasks were divided:

CW-All bands

Fred Canham, W6QWF  
Les Vickery, W6AKR

SSB Phone-40 & 80

Lee Zalaznik, WB6BJB  
Ed Fairbanks, W6AIN

SSB Phone 15 & 20

Eric Reese, WB6KQX  
Bert Henderson WA6MSD  
Kip Wallace W2PGW

Novice - All band

Paul Thekan WN6DQU  
Steve Montoya WN6DQT  
John Cameron (NC)  
Andy Allen WN6---

Amateur TV

Andy Korsak VE3FZK

Handymen

Hal Moore W6DEF, Lucky Rogers  
WA6JXO, Vance Wardlow W6FLE,  
Glen Baker W6UOK.

Showups

Bob Wallace K6OL and several  
unlisted visitors.

All in all it was a very enjoyable, very disorganized and semiproductive Field Day. Typical of last minute affairs the stations were all undermanned, the installations were all jury rigged and EVERYONE HAD A BALL !!!

Of course there must be at least ONE disaster each FD ! At the very last hour it was discovered Eric had been operating his rig into a disconnected coax! ! MORE FUN ! ! !



NEW MEMBERS  
WELCOME ABOARD FELLOW PAARA  
PARTICIPATORS

Leslie McReynolds WN6RNO is now a full fledged member of PAARA. Les is a retired navy man and hangs his hat down Los Altos Hills way. He is looking for more code practice to go up in his license. Sorry we couldn't contact you for Field Day Les - but maybe next year Eh? It's nice to have you with us.

Winfield J. Neff (NC) has joined up and is looking for a hobby that will help him go toward an MD career. Wants to try electronics in medicine. A fine goal Win. We hope we may help. Get going on that code now that you are retired and can find time. Will C W at the meetings for more discussions. Eh?

We have tentative applications in from Dean Babcock W6OEB and Bill Stenger K6QOG. Hope to see you both aboard in the near future. 73

JOIN THE CLUB  
BECOME A REAL PARTICIPATOR

Write PAARA, P.O. Box 911,  
 Menlo Park, Ca. 94025  
 DUES \$4.00

MEMBER ACTIVITIES

In the merry month of June our members were very much on the move.

Andy Korsak assembled his wonderful family into a group and loaded them into his Datsun Camper. They took off in a general eastern direction with a destination of Philadelphia and Shanty Bay, Canada. They had a wonderful trip and all arrived home safely. Andy is still recovering from the over-exertion. However he is now in Denver Colorado on SRI business - so guess he is all OK.

Tom Ohlsson WB6KQZ, was not able to participate in our Field Day exercise since he took his family (Mom & Dad) to an exotic holiday in Hawaii !! Hope to see you back soon Tom and to find you on the mike during the Powder Puff Derby.

Ed Fairbanks W6AIN and his beautiful wife continue to make trips here and there - just having fun. A fine life !!!

Lee Zalazanik WB6BJB, got himself a tent and backpack & took off for the north country up Eugene way. Stayed a week and had a fine time hiking and fishing. Nice going Lee, only wish we could do the same. Now GET BACK ON THE JOB - Loafer!

PAARA MEETING  
Friday 2 June 1972

The meeting opened at 7:30 with a small crowd. Fred talked about the Powder Puff Derby and the arrangements that had been made. Called for volunteers for manning the circuits. There will be a 2 meter net between the Villa Hotel and the Airport at San Carlos to handle messages between the contestants in the Derby and their representatives. An HF station will be installed to handle arrival and departure reports across the USA. W7JZ at Winnemucca, Nevada has been contacted for the first leg. WA6CPP has a camper and will also operate with W7JZ. The National Nets will be used for routine traffic and phone patches arranged for those at the airport.

Hal Moore W6DEF announced that the final score on SET shows PAARA with the highest score on the west coast.

It was announced that the use of the Field Day location in Sharon Heights has been approved by the new owners L.B. Nelson Corp. of Palo Alto. No final decision on number of stations was made.

Although our speaker Jim Lomasney was unable to show up we had a lively meeting.

PAARA BOARD OF DIRECTORS  
Wed. 7 June 1972

The Board met in the trailer at SRI. Les Vickery, Secty, turned over \$2.50 from QST subscriptions.

General discussion of Field Day. Lee Zalaznik cannot be available for putting up the station. Some discussion of assistance to our junior operators - novice licensees.

Also a general discussion of the Powder Puff Derby and facilities to be provided to the participants. Fred outlines a general plan of the circuits to be manned including the RTTY and other 2 meter circuits. He points out that there will be 150 planes to take off on Friday 7 July. This will require coordinated departure reports. Each plane will require 2 reports for each stop - arrival and departure. Thus 300 messages will be handled each day.

Fred Canham suggests that the Club purchase a good microphone for the Club transmitter. So moved, seconded and approved by the Board. Cost to be about \$25.00.

\* \* \* \* \*

JOIN THE CLUB

BECOME A PARTICIPATING MEMBER  
SEND \$4 DUES

# DALTON REALTY

230 HAMILTON AVE., PALO ALTO, CA.

WE SPECIALIZE IN PERSONALIZED SERVICE

THE RIGHT INVESTMENT IS WORTH A LIFETIME OF TOIL, BUY NOW

RENT A NEW APARTMENT

BUY A NEW HOME

MAKE AN INVESTMENT

WE HAVE DEPARTMENTS SET UP TO HELP AND ADVISE YOU

## RESIDENTIAL

We are members of the MULTIPLE LISTING SERVICE.

## INVESTMENT

We can advise and assist you in the most modern methods of setting up an investment program. Take advantage of the many savings and earnings available ONLY in real estate.

## PROPERTY MANAGEMENT

We have many years of successful management. Property Management is a very specialized field of Real Estate. We can assure you the very best service.

DROP IN

CALL

OR WRITE

FOR EXPERT ASSISTANCE

DALTON REALTY, 230 Hamilton Ave., Palo Alto. Phone: 321 1711

Ask for DALE



MORE POWDER PUFF

The plans for the various setups at the San Carlos Airport and the Villa Hotel are now more solid. "Lucky" Rogers, WA6JXO, has lined up the 2 M gang with their "walkie-talkies" and their fixed station equipment together with means of utilizing the repeater stations around the area. He appears to have the needed circuits all set to go with enough promised help to man them.

However Fred Canham is still worried about manning the HF section to handle the traffic east. He will put up his antennas on 1 July and has the equipment all ready to install. His next need is for "Phone-Patchers" to patch in from the 2M circuits to provide the "Puffers" contacts home. The 2M circuits will be on 144.5 for FM and 146.65 for the walkie talkies. The AM circuit will be on 145.24 and used if the FM circuit has trouble.

In case you can help out in manning a circuit at any time during the period 30 June thru 10 July get in touch with Fred at 622 2387 daytimes or 948 9238 evenings. Fred will accomodate your time to an operating period day or night.

The operating center is the Flood Airservice Building at the San Carlos Airport.

HAVE A HAPPY 4th OF JULY

Happiness is assisting someone to celebrate the origination and existence of this great land of ours.

Hal Moore, W6DEF, is in need of assistance by 2meter operators to help direct the 4th of July parade in Redwood City. If you can take your rig down to the parade about 8 AM on the 4th get in touch with Hal at 368 0444.

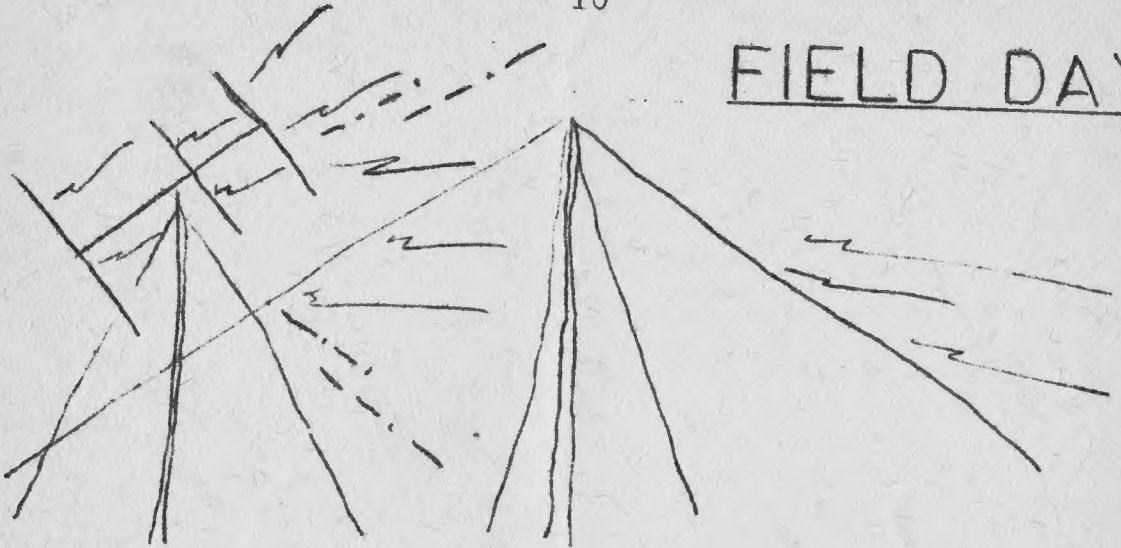
Ed Fairbanks W6AIN, comes in with this from June QST: "-the actual power difference between low and high power commercial rigs is only about 10db. Therefore, the notable differences in signals are mainly the result of the antennas used by amateurs. The antenna system - and possibly some test equipment - seems to be the last stronghold of the do-it-yourself artist."

That is excellent reasoning and each of us should do our best to improve our antenna system and test equipment to assure putting the maximum power into that antenna. This will make the difference between poor and excellent QSO's.

JOIN THE CLUB

10

# FIELD DAY



CQ FD  
SCV

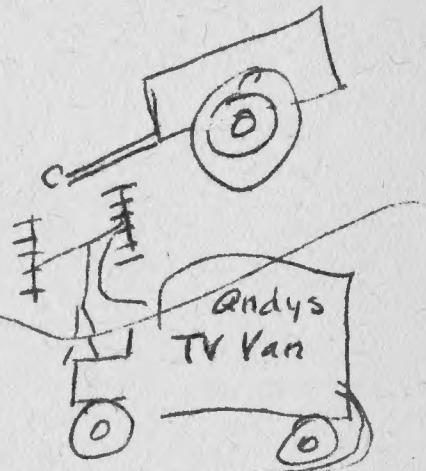


Fred C's Setup on  
QIL Bands CW

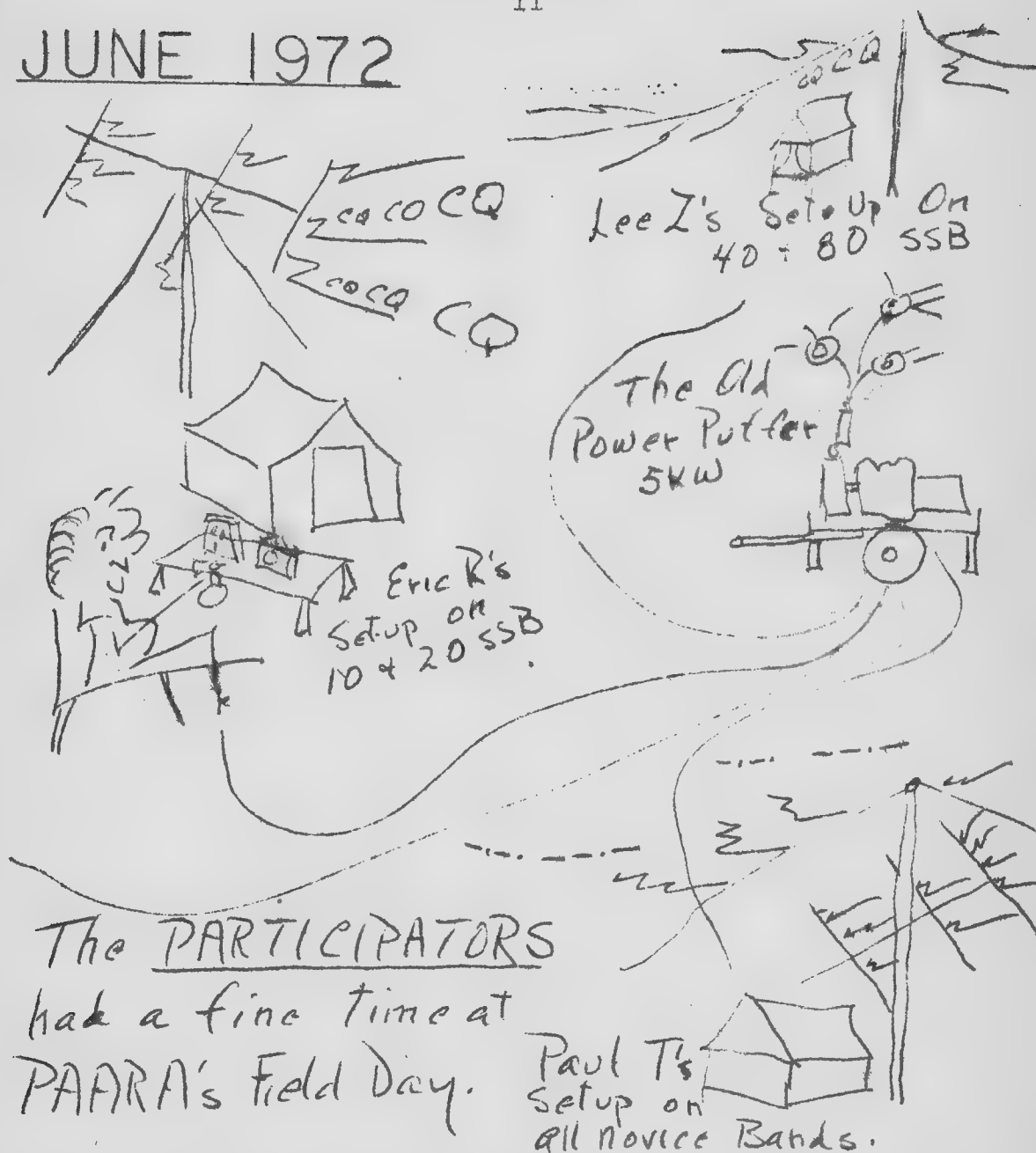
W6OTX/6

Who knows the Score.

PAARA  
was there !!  
Contacts Galore !



JUNE 1972



FOR SALE

Transmitter - Heathkit DX100  
160 thru 10 meters, 180 Watts  
CW & AM, with manual . . . \$65

Converter - Ameco CN 144, 2M  
with power supply Ameco PS-1  
and instructions. . . \$30

Crystals - MARS and WWV freqs  
for Drake equip't \$3.50 each.

Ray Allustiarti, W6JOV

1812 El Verano Way

Belmont, Ca.

Phone: 591 1995

\* \* \* \* \*

Must not forget to mention that one of our real old-timers in the Club, Oliver Sweningsen WA6QGX, calimbed aboard his own plane and took off for Alaska last week. He may not have wanted to get in on Field Day but he didn't have to go that far! ! ! We hope Oliver has a fine trip. He will find the big POWER PUFFER (Our 5KW motor generator) parked in his yard when he gets back. Thanks for the service Oliver. CUL 73.

\* \* \* \* \*

For those of you who have not yet joined the Club Ed Fairbanks suggests that you may not know that there are many activities within the Club other than the meetings.

If you have read this paper PAARAGRAPHS, for any length of time you know the Club is very much involved in preparing for any emergency and participates in the Simulated Emergency Test each year. In fact we were the Club to make the second largest number of points this year on the west coast. From this issue you can see we are very active on Field Day and are a high scorer in that activity. Also you see our public service image coming forward in the Powder Puff Derby. As an individual you may want to head up a team to perform a particular project such as repairing and painting the trailer, or if you like mechanics you may want to get a team together to overhaul and repair the Clubs small emergency power supply. You may want to learn about antennas, the Club has several that need to be put in condition to be most useful in emergency. If you are inclined toward Public Relations the Club can use a first class representative at the California Council of Radio Clubs. The Club has many members in need of instruction and coaching toward a higher license, if you like teaching here is a rewarding outlet.

JOIN THE CLUB

# J & H OUTLET

---

## SURPLUS ELECTRONICS

---

476 INDUSTRIAL WAY, SAN CARLOS

PHONE: 591 7113

## INTEGRATED CIRCUITS

---

TRANSISTORS - DIODES - TUBES - METERS - RESISTORS  
AND MANY OTHER ITEMS TOO NUMEROUS TO LIST HERE

AN UNUSUAL DISPLAY OF NEW  
AND SURPLUS ITEMS

ALUMINUM, BRASS, COPPER, STAINLESS STEEL  
IN SHEETS, BARS, BLOCKS, RODS, TUBES, SHAPES, ETC.

### STORE HOURS

MONDAY THROUGH SATURDAY 10 AM TO 6 PM

- LOOK FOR US AT -

J & H OUTLET

476 INDUSTRIAL WAY

PHONE: 591 7113

SAN CARLOS, CA.



# RED JOHNSON ELECTRONICS

440 PEPPER STREET, PALO ALTO, CALIF. PHONE: 326 6085

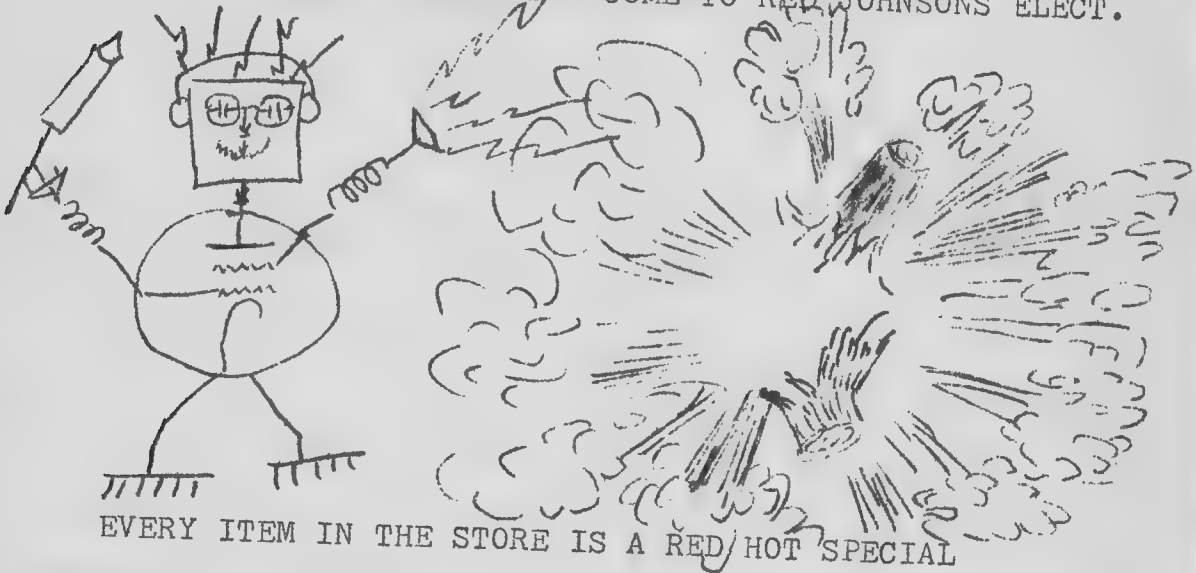
open hours

Monday thry friday 8AM to 8PM; Saturday 8A-6P; Sunday 10-2

RED SEZ: - HAVE A FINE 4th OF JULY HOLIDAY;

DRIVE SAFELY; BE CAREFUL OF FIREWORKS;

for a "BIG BANG" SPECIAL - COME TO RED JOHNSONS ELECT.



EVERY ITEM IN THE STORE IS A RED/HOT SPECIAL

COME IN FOR A LOOK-SEE TO FIND THAT SPECIAL ITEM NEEDED  
RED JOHNSON ELECTRONICS, 440 Pepper St., Palo Alto, Calif.

ANDY'S COLUMN By VE3FZK/W6

Since I was on a four week vacation from the time the last issue had to be prepared, I don't have much technical project news to report. But our editor, Vance, is accustomed to my filling up three pages for this paper and so rather than let him down I'll report on my trip and other items which may be of interest to some of you.

MOBILING ACROSS THE USA AND CANADA

Well, for anybody that has a mobile rig, I heartily recommend taking it on a trip across the country. I had a ball hamming while the XYL was driving. Part of the time I drove while hamming but this is a bit risky as your concentration gets divided too much between these two occupations. I have a Dat sun pickup and cab-over camper, and most of the time I was on the air was lying down in the camper keeping an eye on the two harmonics playing on the bed and making QSO's at the same time. I kept in touch with my XYL by a pair of CB (chicken Band) walkie talkies. (By the way, does any of you know the origin of this rather curious term? If so, write in to RAARA's P.O. Box).

Our trip took us to Newtown Square, Pa. near Philadelphia where my parents live, then on to near Boston, then up to Toronto and Shanty Bay, Ontario where my twin sister lives and I have my VE call registered. As a matter of fact, this was the first time that I ever operated out of my official VE QTH, as I renewed my present license while I was a student in Berkeley in 1964 and since then I have always operated portable W6.

On the way to the east I was able to maintain my sked with Fred, W0QWF on 40 up to Nevada but I lost him after Wyoming and never regained contact till I was in Nebraska on the way back. I had skeds with Norm WA6NFM and Ed W6AIN on 20 and I got through to Norm from Nebraska in the daytime on the way east and from Nevada on the way back. I did not hear Ed on 20 but got him on 40 at night with Fred - keeping skeds as I drove across was an interesting experiment in testing propagation conditions. We estimated what we thought

would be the right times for the QSO's but band conditions ~~caa~~ change quite radically from what you expect.

My rig was an NCX-3 and Webster Bandspanner, plus a borrowed two-er with which I never raised anybody.

During my trip I checked in on Midcars and Eascars which are nets very much like our Wescars here, but somewhat different in some respects. In one way, I think they are better led by the net control. He really lays the line down as to how you approach the net, and you do not hear several guys all trying to check in at once. They ask for check-ins in certain categories, such as mobiles only, etc. Maybe they have the advantage of fewer hams to begin with, as California has quite a preponderance of hams. Also, they were more polite and helpful, I thought. Anyway, I took advantage of these nets to look for hams in the cities of the Powder Puff Derby stopping points, as Fred gave me a list of them and asked me to see if I can round up some help for handling communications. I managed to round up a few through Midcars, while rolling along in the camper, and when I got back here Vance handed me QSL's from them stating they would be willing to help.

When I was in the East, I worked a couple of British stations from my mobile. I see now why hams in the East have it so good for DX - Europe, Asia, Africa all come booming in on 20 at night. I tried working them but I was always covered over by somebody's KW fixed station except when I got through to the two Englishmen.

I always managed to get hold of hams in the cities I was visiting relatives in and either got a one-ringer or a patch through to let them know where I was and when I would be arriving.

We stayed at my sister's place in Ontario for ten days and I operated on the Canadian phone bands out of there. It sure seemed empty and QRM free in these bands.

One strange thing was nobody asked me anything about the ham rig going across the border either way. On the way back into the U.S.A. the border guards just asked to look around a bit in the camper and that was it. I guess we looked honest. But they certainly checked very thoroughly the car ahead of us with some long haired kids in it. Looking for possible dope, probably - can't say I blame them.

Another club member taking a mobiling trip while you are reading this is Fred Dietrich W6MOH. He is going southeast, then up through the midwest and back through Colorado. Look for him on the air on 40 nights, around 7205.

#### HAM LUNCHEON AT SRI

Sam Graf WA6OBC of SRI invited me and a group of other hams for lunch at SRI's International Building dining hall, and the reason for the occasion was a visit by LA2PH/MM, a friend of Sam's, who is here temporarily while his ship is docked in S.F.. We arranged some skeds after lunnnh and I demonstrated our ATV station to the group.

#### AMATEUR TV ON FIELD DAY

Inspite of outcries from Field Day Chairman Fred W6QWF and others, I am planning to take the W6OTX/TV station up to the field day site and flash pictures of the operation to several Bay Area ATV stations that I am arranging skeds with. I have the entire ATV set up in my camper, I also plan to set it up at the San Carlos airport during the Powder Puff Derby. Bill Jackson W6OWQ will have this ATV set up at the hotel lobby where the gals can watch their friends take off.

# HALTEK ELECTRONICS

1690 PLYMOUTH AVE., MOUNTAIN VIEW, CA. PHONE: 969 0510

CENTRALLY LOCATED

NEAR MOFFETT THEATRE

HOURS: 9AM to 5PM CLOSED SUNDAYS

## OUR SPECIALTY - YOUR NEEDS

Any special need you may have is our specialty. Let us know what it is - we will go to work on it. We have a tremendous stock and our sources of supply are almost endless. For that extra special project let us help get those needed items.

## OUR PRICES CANNOT BE BEAT

Our purchases are made in great quantities and we thus get the VERY BEST PRICES. We can pass along savings to you if we know your needs. We are looking for the best buys - let us know your needs. Let us buy your equipment.

## COME IN AND LOOK OVER OUR BIG STOCK

TRANSMITTERS  
RECEIVERS  
TEST EQUIPMENT  
TELETYPEWRITERS  
CONTROL DEVICES

INTEGRATED CIRCUITS  
TRANSISTORS  
DIODES  
VACUUM TUBES  
WAVEGUIDES

SEE OUR STOREROOMS OF HYDRAULIC CONTROLS AND UHF EQUIPMENTS

VACUUM PUMPS, MOTOR-GENERATORS, WIRE

ASK FOR JIM or GEORGE

HALTEK ELECTRONICS, 1690 Plymouth Ave., Mt. View. Ph:969 0510



THE SAN CARLOS BUGLE

FIELD DAY 1972 - It has come and gone! ! ! Actually, we knew right from the beginning that it would not be as easy as last year, since we could not muster the same number of operators as last year. First of all we had to do without our star CW operator Ken Keeler, WA6DKF, who last year almost single handed made about 350 contacts. This year we could only count on 10 operators for our 5 stations plus a team of novices which would mostly be trying their fists for the first time on the air. The week just before FD we got some more bad news: since we lost both of our operators for station #1. This meant we had to use Gene Sussli, WA6NVU as an operator rather than just the guy with the whip! ! !

We started to erect our stations on Friday evening. We used our good old team work method where we all helped each erect one tower and antenna and/or beam after the other. We also strung a total of about 2000 feet of single conductor #10 wire since we had our station up to about 300 feet apart.

Many of the fellows slept on the FD site friday night. Larry Reed, W6CTH, brought his good old reliable Winnebago along. MAN ! ! I have to say that with a set-up like that and all the comforts of home there must be something illegal or at least immoral about it.

OF COURSE - about  $\frac{1}{2}$  hour before zero hour we busted the mast for the 15 meter beam and operated that station for the whole contest from an antenna 12 feet off the ground! ! !

BUT SAN CARLOS CAME THROUGH ! ! ! These are preliminary results:

Station #1 (15, 80 PH)	Stan Young, Gene Sussli,	412 contacts.
Station #2 (20 Ph)	Bill Jackson, Genelon Spalding	529 contacts
Station #3 (40 PH)	Larry Reed, Bill Burris	342 contacts
Station #4 (All CW)	Larry Daily, Ray Allustriarti	247 contacts
Station #5 (2&6PH)	Mike Bach	79 contacts
Novice Sta-	Stan & Connie Luts, Tom Eberhart,	
	Eric Bach	25 contacts
		<u>1634</u> Total

Congratulations to all participants. This is terrific! This is the highest score we had ever made and beats our record score of last year. LETS HAVE THE PLAQUE! 73 Gene

# QUEMENTS

"WHERE YOUR FRIENDS AND NEIGHBORS TRADE"

THE AMATEUR RADIO FRATERNITY'S SUPER MARKET  
THE MOST COMPLETE STOCK OF ELECTRONIC PARTS IN THE WEST

WHEN YOU NEED PARTS - CALL UPON QUEMENTS

WE REPRESENT

ALL MAJOR MANUFACTURERS

WE CARRY EQUIPMENT AND PARTS FOR ALL U.S. AND FOREIGN CO's.

AND IN ADDITION

WE MANUFACTURE AND DISTRIBUTE OUR OWN LINE - DON'T MISS

BIG "Q"

CANNOT BE BEAT AND IS WITHOUT COMPARE IN PRICE

COME TO QUEMENTS FOR FIRST LINE EQUIPMENT FOR ALL YOUR NEEDS

LET US HELP YOU DESIGN THAT NEW OR EXPANDED STATION

YEARS OF EXPERIENCE

EXPERT ADVICE

COME IN TO

QUEMENTS, 1000 BASCOME AVE., SAN JOSE, CA. PHONE: 294 0464

use your credit card or ours

TO BUY THE FINEST EQUIPMENT IN TOWN OR ON THE WEST COAST